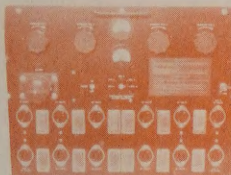


DC POWER CONTROL



LOAD CONTROL PANEL, On-Off and 4 STA selector switches have been removed, but for those interested in DC power use, this panel is loaded with prime "clean" parts! Has matched set of 0-30 VDC and 0-30 AMPS DC 2.5" sealed meters and four 50 mv shunts. Also four RHEOSTATS, two each 225 watt 3 ohm & 150 watt 2 ohm; twelve 32 VDC CIRCUIT BREAKERS Heineman AM1-Z or Klaxon 4MC2 (6 ea 8 and 20 amp); twelve 1N1164/R 35 AMP 100 PV

DIODES, (6 ea forward and reverse); plus four 2.4" dia KNOBS, and other parts. 18.8x23x6, 30 lbs sh. #DAV-LCP, \$49.50

Individual items from above panel:

METERS, 2.5" rd sealed,

0-30 VDC, \$7.95 ea

0-30 amp, FS=50 mv, \$8

SHUNT, 30 amp 50 MV, \$6

***** MATCHED METER SET

with shunt, \$19.95 **

RHEOSTAT, 225 watt 3 ohm,

, 150 watt 2 ohm,

CIRCUIT BREAKER, 32 V 8 amp,

, 32 V 20 amp,

DIODES 1N1164, specify forward (F) or re-

verse (R),

FLUTED KNOB, 2.4" dia; #KNB-LCP,

\$6.50 ea

\$5.00 ea

\$2.50 ea

\$3.00 ea

\$1.25 ea; 12/ \$12.00

\$1.25 ea

COLLINS R-390 RECEIVER

R-390/URR HF RECEIVER, covers 0.5 to 32 MHz AM-CW-MCW-FSK in 32 bands continuously tunable using mechanical digital dial. Selectable IF 0.1-1-2-4-6-16 KHz; calibration every 100 KHz. Function switch positions Off-Standby-AGC-MC-CAL-Squelch. Also BFO, AGC, Dial Lock, 600 ohm audio out, Line and Carrier Level meters (not supplied), and 23 tubes. This receiver differs primarily from the later R-390A in that it is exclusively COLLINS-made, but does NOT use mechanical filters in its IF. Requires 115/230 VAC 50-60 Hz; LESS METERS & COVERS. 10.5x19x17.3; 92 lbs (UPS in 2 pkgs). Used-repairable, \$180. Checked, \$300. SERVICE MANUAL f/R-390 partial repro, \$15. COVERS for top & bottom, \$15.00/set.



WANG AC CONDITIONER



WANG POWER CONDITIONERS made by Deltron; superior performing electronic line voltage regulators with full magnetic isolation protects valuable computer and other voltage-sensitive equip-

ment from damage and information loss caused by line surges or "sags". Provides "clean" 120 VAC 60 Hz output from input of 90 to 135 VAC 60 Hz. Input distortion reduced by 1%. Low input shutdown @ 50% of nominal. Over-voltage protection shutdown @ 12% above max rated output. Includes four 3-conductor outlets and line cord; 7.8x13x10.4. NEW: #SC-50-PC, 500 VA output; 36 lbs sh, \$250. #SC-100-PC, 1000 VA output; 45 lbs sh, \$325.

MODERN ENCLOSURE

Stylish EQUIPMENT CABINET, steel with wood-grain sides and top and brushed aluminum bezel. Accepts 10.5"H x19"W rackmount items such as R-388, R-390, SP-600-size receivers; with hardware and rubber feet. O/a 20.7x 12.8x18.5, 28 lbs. #ENC-10519, NEW, \$49.50



SOUND PROTECTOR

for avoiding hearing damage during firearms shooting, explosions, loud machinery, or other noisy situations. Has 4"Hx3"Wx3"D foam-lined plastic cups with comfortable ear pads and adjustable padded steel headband. Military-quality hearing protection; 3#. Astrocom #10232, unused, \$16.95



DISTORTION ANALYZER



HEWLETT-PACKARD 331A DISTORTION ANALYZER, solid-state unit measures total distortion to 0.1% of full scale over

5 Hz to 600 KHz and harmonics indicated to 3 MHz. Distortion levels of 0.1% to 100% measured full scale in 7 ranges and noise levels as low as 50 mv. Fundamental rejection >80 DB. Wide voltmeter indicates 300 uv to 300 V rms full scale in 13 ranges, 10 DB/range. Requires 115/230 VAC 60 Hz; 16.8x5 x13.3, 22 lbs sh. Used-repairable, \$265.00; CHECKED, \$350. MANUAL, partial repro, \$15.00

PRC-41 UHF RADIO



RT-695/PRC-41 UHF MANPACK UHF TRANSCEIVER, 225 to 400 MHz AM in 100 KHz steps using mechanical digital counter; output at least 3 watts over range. Also has guard channel, Volume, Squelch, and U-77 connection for H-33 handset. Solid-state except for tubes 6442, 4/7077, and 4/7544. Requires 24 VDC 3 amps; 14x11.3x4.5, 22 lbs sh. Used-repairable, \$295.00

MANUAL for PRC-41, partial repro, \$20.00 H-33/PT HANDSET, used-checked, \$17.50 AS-1404/PRC-41 ANTENNA, mounts to RT-695; 23.5"L, 2 lbs. Used, \$20 w/set purchase. CY-3883/PRC-41 ALUMINUM TRANSIT CASE, 15.5x 35x26.5; 83 lbs. UPS in 2 pkgs. Used, \$45. ***** PRC-41 PACKAGE DEAL: RT-695 with AS-1404, CY-3883, H-33, pack frame, & manual, \$365.

HOMING ANTENNA



AT-249/GRD HOMING ANTENNA for use with RT-196/PRC-6 walkie-talkie. Fold-out handheld diamond-shaped loop tunes 47-55.4 MHz. Has 4-step attenuator, Norm-Sense select, and 48" BNC cable. Includes CW-204 canvas bag and manual. O/a 20.3"Hx14.6"Wx3.5"D; collapses to 11x5x4 size, 8 lbs sh. Unused, \$25.00

H-P 50 MHZ O-SCOPE



OS-189/USM-281A SCOPE, militarized Hewlett-Packard 180 with PL-1186A dual-trace and PL1187A time-base sweep delay plug-ins. Has DC to 50 MHz response, solidstate circuitry and 8x10 cm display. Deflection ranges: 5 mv to 20 V/div in 12 steps, 1-2-5 sequence plus vernier to 50 V. Select A and/or B channels; A+B, alternating and chopped; X5 magnifier. Maximum input: 600 VDC peak (AC-coupled) or 350 VDC @ 20 V/div (DC coupled). Sweep Normal, Auto, or Single. Ranges 0.1 us-2 s/div in 23 steps, 1-2-5 sequence, vernier to 5 sec. Delay range: 0.1 us to 50 ms/div in 18 steps, vernier to 125 ms. Delay time variable 0.1 us-20 sec. Sweep magnifier X5, X10. Calibrator 250 mv & 10 V p-p @ 1 KHz. Requires 115/230 VAC 50-440 Hz; 11.4x7.9x21.3, 44 lbs sh. Used-repairable with trace, \$150. Checked, \$275. MANUAL, partial repro, \$25.

Fair Radio Sales Co.

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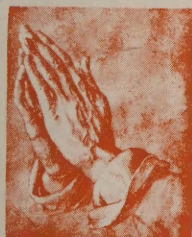
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0516

4-400A SOCKET

ORON TUBE SOCKET for 3-500Z and 4-400A power amp tubes. Also fits 4-125A, 4-250A, and other similar 5-pin power tubes. Stainless steel 3.6" dia (92 mm) ring with ceramic insulated silver-plated contacts. Currently used in quality Henry Radio products. ORON #410-S, NEW, \$27.50 ea; 2 for \$50.00

IMAGE CONVERTER

CV-147 INFRARED IMAGE CONVERTER TUBE, example of an infrared tube used in an early nightvision device for low-light viewing. Probably still useful in "see-in-the-dark" experiments. no tech data available but we'll include some old plans for a primitive snoopscope project. 1.8"Hx1.9" dia, 1 lb sh. Unused, \$9.95

2E22 as used in GRC-9, unused JAN-box, \$16. 201/301A antique tube, used-checked, \$12.50 803 Power Pentode, unused, \$35.00 813 used-subject-to-your-test, \$18.00 ea 864/VT-24, can be adapted to replace antique UX99/199/299; unused-JAN boxed, \$7.50 930 Side-On Gas Photodiode, X10 amplification, 135 uamp/lumen; audio frequency, \$10. AMPEREX 7308 gold-pin, used-checked, \$3.50

WESTERN ELECTRIC ELECTRON TUBES CATALOG, 1948 edition; 118 pp, reproduction, \$15.00

TRANSFORMERS

TRANSFORMERS and CHOKES removed from PP-2046/GRC-66 power supply. All open-frame style with-out mounting brackets. Transformer primaries 120 V 60 Hz:

#	RATING	SIZE	WT	PRICE
T912560	912 V 560 ma	4.5x5.4x5	24	\$20.00
T194345	194 V 345 ma	3.3x4x2.5	6	\$7.95
T24V2A	24 V 2 amps	2.5x3x3	5	\$3.95
T6V3.6A	6.3 V 3.6 A	2.5x3x2.3	4	\$3.50
L8H560	8 Hy 560 ma	4.5x5.5x4.3	15	\$8.95
L6H345	6 Hy 345 ma	4.5x5.5x3.8	13	\$5.00
L8H250	8 Hy 250 ma	3.5x4.3x3	9	\$4.50

DC-AC INVERTER

TRIPP-LITE #407-11312 INVERTER, this is a variation of 407-11361 which "sold out" in our 1990 Catalog. Unit is physically "incomplete" without metal covers and outlet as shown and multi-tap secondary of transformer is wired for 230 VAC out. However, output can be changed to 115 VAC by switching wire tap (info included) for same 400 watt squarewave resistive load from 12 VDC input as 407-11361. 3.4x7.3x5, 9 lbs sh. #407-11312, NEW, \$35.

400 HZ INVERTER

ROTARY AIRCRAFT INVERTER, 115 VAC 400 Hz 3 Ø 100 VA output from 27 VDC 9.2 amp input. 4.8x7.8x5.5, 8 lbs sh. #AN-3499, used, \$19.95



"CLOSED END SPLICE®" wire connectors; ideal for "breadboard" wiring projects when quick, solderless crimp-on connections are desired. Connect many wires together and/or to splice in others. Each accepts #22-10 wire size; nylon insulation opening: 0.375" dia. AMP #324067, 100 for \$3.50; Box of 500, \$10.

DIODE TESTER

TS-268E CRYSTAL RECTIFIER TESTER, measures front and back resistance and back current of 1N21-A-B, 1N23-A-B, 1N25-26-78 crystal diodes on 2.5" dia milli-ammeter. Requires "D" battery (not supplied) 7.5x4.4x5.8, 6#. Used, \$16.95; MANUAL, \$8.50

R-108 & R-109/GRC

R-108/GRC RECEIVER, "government-reconditioned", 27-28 MHz FM continuously tunable. Controls for Volume, Squelch, Antenna Tune, Dial Light; 600 ohm audio out for U-77 plug connection. With 15 tubes; requires 135 VDC 70 ma and 6.3 V 2 amps. 9x 7.3x13.5, 30 lbs. GOV'T-RECONDITIONED, \$36. R-109/GRC, 27-39 MHz; GOV'T-RECONDITIONED \$42.

PP-281 12 VDC POWER SUPPLY, mounts in R-108-109-110 and provides required voltages from 12 VDC input; 7 lbs sh. Unused, \$21.00 PP-282 24 VDC SUPPLY, like above but requires 24 VDC input; unused, \$12.00 MANUAL for R-108-109-110, original, \$7.50 MANUAL for PP-281-282, \$5.00

PP-109/GRC POWER SUPPLY, once again we have these "gov't-reconditioned". Provides voltages for RT-66-67 or -68 transceivers from 12 VDC 12 amp input. 7.3x9x13, 39 lbs. \$40.

PE-237 VIBRATOR SUPPLY

PE-237 VIBRATOR POWER SUPPLY, designed to provide all necessary power voltages for the BC-1306 or RT-77/GRC-9 transceivers in vehicular installations using 6, 12, or 24 VDC electrical systems. Unit was eventually replaced by DY-88/GRC-9 dynamotor supply during the 1950's. Requires vibrator VB-16 which is not available. 20x10.5x10.8, 80 lbs sh. (UPS in 2 pkgs.) Used, less VB-16, \$69.50 CD-1086 CABLE, RT to PS: 44" \$12. 84" \$15.

VRC-12 CONTROL BOXES

C-2298/VRC INTERCOMMUNICATION CONTROL, used in VRC-12 vehicular installations with AM-1780 amplifier; monitor upto three radio sets A-B-C or all. Has volume control and two U-229 audio connections. 5.8x4.5x3.3, 4 lbs. Used, \$12.00

C-2742/VRC CHANNEL SELECTOR, 10 preset channel control for autotuning RT-246/VRC transceiver; 5.8x4.5x3.3, 4 lbs. Used, \$18.00
+++++
MT-1898/VRC MOUNT with rear connector for R-442/VRC; 16#. GOV'T-RECONDITIONED, \$32.00 CW-649/VRC CANVAS COVER for R-442/VRC; zipper access to front panel; 3#. UNUSED \$7.50 AT-271/VRC ANTENNA for PRC-8-9-10-25-77; 7-sections with spring-loaded retaining cable form 8.5 ft mast, 2#. Used, \$10.00 AT-892/VRC RIBBON ANTENNA with spring base for PRC-25-77; 2 lbs sh. Used, \$12.00

LS-454 LOUDSPEAKER

LS-454 LOUDSPEAKER in rugged cast aluminum housing. Similar to LS-166 but does not have Hi-Lo switch and cord has U-229 connector for use with PRC-25/77 and VRC-12 family equipment. 4" dia speaker has heavy-duty magnet and 600:8 ohm audio transformer. 5x5 x3.3, 5 lbs sh. Used w/wall bracket, \$16.00

WM-46 CABLE

WM-46 CONTROL CABLE used in GRC-Series radio equipment; rubber-covered with braid shield. Has ten color-coded #14 wires, five of which are braided. 10 ft (3 lbs), \$10. \$80.00/100 ft

12 V CONTACTOR

CONTACTOR RELAY, 12 VDC coil with 12 V SPST normally open contacts; should be OK for about 20 amps. Used in Massey-Ferguson tractors. 2x1.8x1.1; 1#. #81-2450-1, NEW, \$3.00 ea, 10/\$24. 50/\$100.

RF MILLIVOLTMETER

MILLIVAC MV823B RF MILLIVOLTMETER, analog-type meter has wide 4.8" mirrored scale and response from 10 KHz-1 GHz; accuracy varies with frequency. Push button-select full scales 1 MV to 10 V-RMS in 9 steps, 1-3-10 sequence allowing measurements as low as 50 uv. Also DB scales -50 to +30 DB in 10 DB steps. RF probe w/ BNC termination included. Requires 115/230 VAC 50-1000 Hz. 7x 8.5x13.5, 13 lbs sh. Used-repairable, \$99.50

ATTENUATOR

TS-402 VARIABLE ATTENUATOR makes gain measurements on voice and carrier frequency equipment. 600 ohm input and output impedance. Attenuates 0 thru 81 DB in one DB steps. Input power 0.2 watt, 0.5 W for short periods. Frequency 0-100 KHz. 5x6.8x4.1, 7 lbs sh. Used, \$22.00

HP-403B AC METER

HEWLETT-PACKARD 403B PORTABLE AC VOLTMETER, solid-state meter measures 0.001-300 V rms full scale in 12 ranges, 1-3 -10 sequence; -60 to +50 DB in 10 DB steps. Response 5 Hz 2 MHz; 2 megohm input impedance. Requires 115 VAC 60 Hz or four 6 V 0.225 ma rechargeable batteries (not supplied); has recharge circuit. 5.1x6.3x8, 9#. Used-repairable, \$59.50

QUAD CAVITY

QUAD CAVITY ASSEMBLY, four 4"Lx0.8" dia gold-plated cavities "ganged" as chain amplifier. Originally used in aircraft transponder at 1030 MHz. Each cavity has adjust screw; no further info. 4.3x5.3x1.3, 2 lbs sh. RCA #4085-B/A, used, \$29.50

MX-991/U FLASHLIGHT

MX-991/U FLASHLIGHT official rugged right angle military type made in USA. Operate from two "D" cell batteries (not included). Clear diffuser, red signal, and white opaque spare lenses stored in handle; metal belt clip. O.D. green plastic; current issue, 8.3"Lx2" dia. NEW \$6.75

MILITARY BATTERIES

MILITARY CARBON BATTERIES, two WW-2 types with 1985 date codes! BA-38, for BC-611 and SCR-625, 103.5 VDC; 1.4x11.8x1.4, 3 lbs sh. "Good", \$8.95; "Weak" \$4.50 BA-40, for BC-620/659 receiver section, +90 V and +1.5 V; 7.4x 5.4x4, 6 lbs sh. "Good", \$8.95; "Weak" \$4.50

RF MODULATOR

COMMODORE 251155-01 RF MODULATOR for VIC-20 computer. Video and audio input using 5-pin DIN plug; channel 3 or 4. 3x1.5x0.8 box w/ 36" cord; 1#. NEW, \$2.95

MOTOROLA SPARK GAP

MOTOROLA AC LINE PROTECTOR, hermetically sealed pre-ionized spark gap protects 120 VAC radio equipment from power line transients, surges, and direct or indirect lightning hits. Wall mount inside or outside. 3.3"Hx1.8" dia 2 lbs. #TLN43399A, unused, \$10.95

LOW-PRICED O-SCOPE



DUMONT 304A OSCILLOSCOPE, old DC to 100 KHz scope with its big 5" flat-face CRT (5ABP1) is still a good low-cost choice for audio work. 100 MV full scale sensitivity. Sweep 2 to 30 KHz in 7-steps. Maximum sweep rate: 1" /u-sec. Input voltage 1000 (DC plus peak AC) max. Attenuation scales 0.1-1-10-100 V. Input impedance: 2 megohm paralleled by 50 pF; no graticule. Requires 115/230 VAC 50-60 Hz. 13.5x9x19, 65 lbs sh. Used-repairable, \$49.50. MANUAL for 304A, partial repro, \$8.50

H-P 618C GENERATOR

HEWLETT-PACKARD 618C SIGNAL GENERATOR, 3.8-7.6 GHz FM, pulse, or squarewave modulation in single band. Output 1 MW or 0.224 V to 0.1 uv into 50 ohms. Also auxiliary 0.3 MW uncalibrated output available for phase locking. Pulse rate variable 40-4000 pps; width 0.5 to 10 usec. Requires 115/230 VAC 50-400 Hz; 13.9x17.5 x17, 70 lbs sh. Used-repairable, \$350.00



HP-8708A SYNCHRONIZER, phase-lock frequency stabilizer for use with HP-606B & HP-608F signal generators.

Phase-locking allows stability of 2x10⁻⁶ per 10 minutes. Frequency range: 50 KHz-430 MHz. 4x16.8x18.3, 30 lbs. Used-repairable, \$195.00. MANUALS for HP-608E, -618C, -620A or -8708, partial reproductions, \$15.00 each

LAMBDA DC BENCH SUPPLY

LAMBDA LE 102FM-1735 DC BENCH SUPPLY, 20-28 VDC 6 amp output 0.05% regulation from 105-135 VAC 45-66 Hz input. Has overvoltage protection, remote sensing and 2.5" dia 0-36 VDC and 0-10 amps DC meters. This supply is modified version standard LE 102FM which has a specified output of 0-36 VDC 0-10 amps.

5.3x19x16, 90 lbs sh. Unused w/book, \$125.00



GN-38A GENERATOR

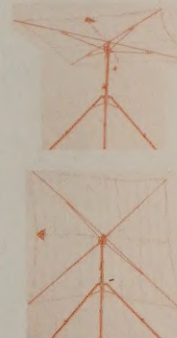
GN-38A HANDCRANK MAGNETO GENERATOR as used in various military phone equipment; has three horseshoe-shape magnets and produces about 100 V depending upon rotation speed. Use to ring phone bell or as worm shocker, etc. 3.5x2.8x2.5, 4 lbs. Used, \$15.

ALUMINUM CASE

CY-1344 ALUMINUM TRANSIT CASE, 18.6"Hx21"Wx12"D with hasp fasteners & spring-loaded side handles; 30 lbs sh. Used, \$20.



LOG-PERIODIC

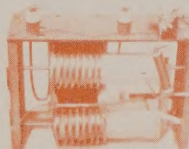
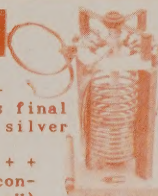


AS-2236/GRC ANTENNA, lightweight and minimal guying makes this 30 to 70 MHz low-power log-periodic excellent for field day! Mounts on 35 foot mast and unfolds to 10 ft square. Includes antenna, seven 44.5"Lx2.75" dia aluminum mast sections, 44.5"L x 2.75" dia fiberglass section, pivot for horizontal or vertical polarization, folding tripod (10.5 ft square) with foot pads, six stakes, three screw anchors, guys, ropes, hammer, four canvas carrying bags. With set-up info; no specs. 100 lbs sh (UPS in 2 pkgs.) Used, \$135. Unused, \$195.00

10 KW INDUCTORS

COIL ASSEMBLIES part of power amp in TMC 10 KW transmitter which used 4CX5000A as final tube. Highest quality parts; silver plated 3/8" dia coil tubing:

+++++
A903 FINAL PI NETWORK COIL, consists of inductors L902 (1.5 uH) and L903 (7 uH) plus bandswitch S900, a 9-position switch which successively shorts out larger portions of the inductors as frequency is increased. Originally in circuit with 700 and 2000 pf vacuum capacitors. L903 forms 9"Lx5.2" dia tubing coil of 14 turns. 20x9.8x9.8, 27 lbs. #A903/GPT10K, used, \$75.



OUTPUT LOADING INDUCTORS, modified T-network with 1-8 uH variable inductors L912 and L913 and 45 uH L907 wirewound inductor. Matched balanced 600 ohm or unbalanced output of pi network A903 as it fed through 1000 pf vacuum capacitor. L912/ L913 form 5"Lx4.3" dia tubing coils of 8-turns. 12.3x18x5.3, 27#. #L91213/GPT10K, used, \$75.

1.7-2.4 GHz POWER AMP

TRC-29 POWER AMPLIFIER designed for 1.7-2.4 GHz range. Consists of 2C39 tube in dual-folded coaxial silver-plated cavity; 3/4 wavelength grid cathode and grid plate, tuned by adjustable plungers. Output: 5-10 watts coupled through probe in grid plate circuit. Requires 800 VDC, -15 VDC, 5 VAC. Male & female C connections. 15x3.5x4, 9#. Used w/schematic, \$75.



COAXIAL RELAYS

AMPHENOL SPDT ANTENNA RELAY, 26 VDC sealed type rated upto 100 watts and to 1000 MHz maximum. Has three BNC connections. 2x 2.5x2.3, 2 lbs sh. #302-10004, used, \$9.95

COLLINS 410-0193-60 SPDT 1 KW COAX RELAY with auxiliary contact; "T"-style configuration with 28 VDC coil on side; three N connections. 3x3.5x1.8, 1 lb sh. Used, \$29.95

VACUUM VARIABLE

VACUUM VARIABLE CAPACITOR ASSEMBLY consist of UC5L-1000-3

7-1000 pf 3 KV max vacuum variable with 28 VDC drive motor and gear assembly. Will run on 6 VDC and up. 8x6.8x3, 7 lbs sh. #C501/180L, used, \$74.50



0-30 V 25 AMPS

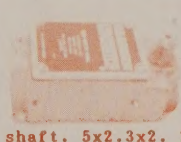
VARIABLE TRANSFORMER has 0-30 V 25 amp or 15-0-15 V 35 amp output from 115/230 VAC 60 Hz input. Use as basis for battery charger or bench DC supply, if you add capacitor and rectifier. See DC Power Control #DAV-LCP page S90-36 for other possible parts. Shaft 1.2"Lx0.5" dia; o/a 7x 8x5, 26 lbs. #VT-30V25A, used w/ knob, \$35.

ALLIGATOR LEADS

ALLIGATOR CLIP TEST LEAD KIT, 45" long rubber-insulated lead has 4.8"L plastic prod which fits into plastic insulated alligator "Safe-T-Clip". Kit includes one each red and black leads, one each red and black clips. #MX-19090, unused, \$3.50

LIMIT SWITCH

R.B. DENISON LOXSWITCH, industrial limit switch rated 600 V max 18 amp contact; has 3/4"L x 1/2" dia shaft. 5x2.3x2, 2#. #L100WNC-2M, unused \$12.



30-1000 MHZ RECEIVER

R-484/APR-14 AIRBORNE PANORAMIC SEARCH RECEIVER covers 30-1000 MHz AM-FM in bands 30-210, 210-400 and 400-1000 MHz; has 3" dia CRT for panoramic display of these signals. RF bandpass 6 MHz @ 3 DB points. Sensitivity: 11 uv max (30-100 MHz), 13 uv (100-300), 16 uv (300-1000). Spurious response 45 DB down; image reject 60 DB. IF attenuator 0-74 DB in 6 DB steps. CRT calibration +3 MHz center freq; video response +1 DB, 200 Hz-2 MHz. 600 ohms audio; 46/7-9-pin mini & octal tubes plus 3P1, 6P4, and 5768. Req 115 VAC 380-1000 Hz and 24 VDC 20 W. 8x15.5x20, 90 lbs. Used-repairable \$250 \$175. MANUAL repro, \$15.



618T2 TRANSCEIVER



COLLINS 618T SSB AIRBORNE TRANSCEIVER, the "standard" in HF radios for both military and commercial aviation over the past twenty years! We have 618T-2 model covering 2,000 to 29,999 MHz SSB-AM-CW in possible

28000 channels. Power output: 400 watts SSB PEP, 125 W AM-CW; 52 ohm output impedance. Stability 0.8 ppm per month. Sensitivity SSB: 1 uv for 10 DB S+N/N ratio. Selectivity SSB: 2.85 KHz, 6 DB down; 6.0 KHz 60 DB. Audio input: 600 ohms balanced. Uses two 4CX250's in P-A; tube and transistor circuitry. Switch and meter on front for monitoring internal power supplies. Separate control box necessary for channel select. Racks & cables not available. Requires 115 VAC 400 Hz 3 Ø 1 KVA and 1 Ø 160 VA; also +27 VDC 4.5 amps. With manual repro; 7.6x 10.1x22.2, 58 lbs. Used-repairable, \$1460. 618T2 with "K5" oscillator, \$1150.00

" with later "K9" oscillator, \$1200.00
+++++
714E2A CONTROL BOX for 618T; channel and mode LSB-USB-AM selection and RF SENS. 3 lbs sh. Used, \$85.00 with 618T purchase. C-3940 (714E3) CONTROL, like 714E2A but mode LSB-USB-AM-CW; used, \$100 w/618T purchase.

ARC-109 TRANSCEIVER

RT-749/ARC-109 UHF AIRCRAFT TRANSCEIVER, solid-state Collins unit operates over 225-399.95 MHz AM, DSB, full carrier, and A3 phone @ 30 watts minimum. 3500 available channel frequencies in 50 KHz intervals plus 243 MHz guard channels. Separate control box C-6364/ARC listed below provides binary code decimal channel selection and other functions. Uses 4631 tube in power amp; 150 ohm audio/mic impedances. Compact set replaces ARC-27-34 -51-52 radios. Cables and racks not available. Requires 115 VAC 400 Hz 3 Ø 370 watts. 6.8x9x16, 29 lbs sh. Used-repairable, \$695.00



SCHMATIC for RT-749, repro, \$12 w/set purch. C-6364/AR CONTROL, unused, \$125 w/set purch.

1 KW POWER AMPLIFIER



T-730/TRC-75 TRANSMITTER, functions as 1 KW PEP (400 W AM-SSB) 2-29.999 MHz linear power amp when used with R-761/ARC-58 receiver which supplied 200 MW PEP input drive. Uses three 4CX250 tubes in P-A; tuned by servo amplifiers and motors. Requires 115 VAC 400 Hz 3 Ø for power supply with outputs 2000 VDC 500 ma, 400 VDC, 27 VDC, 6-3 VAC, -40 to -80 VDC and 115 V 400 Hz 1 Ø for servo motors. With tubes 2/6CL6, 5896, 3/4CX250. C-3141 control required for channel selection. 7.8x10.3x24, 55 lbs. Used, \$350. \$275. SCHEMATIC for T-605, \$5 with set purchase. C-3141 CONTROL BOX (page 5), used, \$29.95 CONNECTORS for above, \$5 each w/set purchase

10 KW TRANSMITTER

TMC GPT-10K (AN/FRT-39), 2-32 MHz SSB 10 KW transmitter by Technical Materials Corporation; appear complete except less the 4CK5000A P-A and 8295A driver tubes. Use as spare or for parts to prolong useful life of your working set; 2700 lbs sh. Used-not tested, \$4000.00

Also available from GPT-10K are some rack component sections. WRITE your needs!

1 KW HF RADIO SET

AN/TRC-75 1 KW HF RADIO in CY-2600 case for vehicle mount. Consists of R-761 receiver, T-730 transmitter, C-3341 RT-control, CU-749 coupler, C-2848 coupler-control, AM-2306 amplifier, CV-786 converter-oscillator, RF-111 loading coil and manual repro. We will also include PP-2352 power inverter which provides 115 V 400 Hz 3 O for the set from 28 VDC 110 amp input. 20x48.5x30.5, 375 lbs sh wt. Used-complete, not tested, \$1200.00



VACUUM CAPACITORS

JENNINGS USLS-465-5 VACUUM VARIABLE CAPACITOR, 7 to 465 pf 5 KV

max. Gear removes removes for 1/2" X 1 1/4" dia shaft. Late-model, blue-paint. O/a 5.5" L x 2.3" dia; 5 lbs sh. UNUSED-BOXED, \$145.00

Other VACUUM CAPACITORS, "used"-good:

#	PF	KV	SIZE	PRICE
TC-25-20	5-25	20	6.6"Dx2.3"D	\$65.
CVCF-250-6	5-250	6	6"Lx2.3"D	\$150.
UCS-300-7.5	10-300	7.5	8.8"Lx3.1"D	\$105.
-300-15	10-300	15	"	\$130.
USLS-465-5	7-465	5	5.5"Lx2.3"D	\$110.

USCL-750-5	5-750	5	7.6"Lx3.1"D	\$100.
USCL-1000-3	7-1000	3	"	\$90.
USCXF-2000-10	50-2000	10	10"Lx5.1"D	\$250.
USCL-3000-3	50-3000	3	8.4"Lx3.6"D	\$150.

FIXED VACUUM CAPACITORS removed from equip:
JCSF-60-10 60 10 1.6"Lx1.3"D \$35.
JCSF-150-7.5 150 7.5 1.6"Lx1.6"D \$50.
MC-1 1000-15 1000 15 4"Lx4"D \$120.

VACUUM RELAYS, 26 VDC 120 ohm; removed:
RB3J-26 or equal, DPDT 12 KV peak; 30 amps AC/DC. 1.1" dia thread; o/a 3"Hx1.3"D. \$52.
RE-6B-26 or =, SPDT 25 KV peak; 25 A AC/DC. 2.3" dia flange; o/a 3.3"Hx3.3"D. 2#. \$50.
RS-8-26, SPST 118 ohm 28 KV pk; 75 A AC/DC. 1.1" dia thread; T-shape 2.5x3.5x1.5. \$55.

Other vacuum products available. WRITE!

ZM-11 PORTABLE BRIDGE

ZM-11 TEST SET, portable bridge measures capacitance, inductance, resistance, transformer turn ratio, dissipation factors of C & L, and storage factors of L --all at 1 KHz test frequency. Also insulation and leakage of electrolytics in circuit at 10.75 MHz.

Capacitance: 10 pf-10 mf, 1 mf-100 mf, 10 mf-1100 mf. Inductance: 0.1 mH-1 H, 1 H to 10 H, 10 H-110 H. Insulation DC res: 200 to 500 megohms, 5K-10K megohms. Transformer turns: 0.01-110 (K=1). DC leakage: 0-1-5-25 ma. Dissipation: 0.06 (10 pf-0.1 mf), 0-0.6 (0.1 mf-1100 mf). Q Storage: 0.5-20. DC applied to electrolytics 500 VDC. Uses test leads with standard banana jacks (not supplied). W/tubes 6E5, 6J6, 2/6AV6, 6A5, 6AL5, 6AQ5, and 6X4. Requires 115 VAC 50-1000 Hz; 5.8x9x9.8, 18 lbs sh. Used-reparable, \$85. Checked, \$120. MANUAL, partial repro, \$10.



TCS RECEIVER

TCS RECEIVER, famous WW-2 Navy receiver covers 1.5 to 12 MHz AM-CW continuously in bands 1.5-3, 3-6, and 6-12 MHz; provision for 4 crystal-controlled channels. Also RF and AF Gain, CW Pitch; 500 ohm audio output. With shockmount and tubes 2/12A6, 3/12SK7, 12SA7 and 12SQ7. Requires 220 VDC 100 ma and 12 VDC. Power connector not available; 14.8x13.8x11.8, 44 lbs sh. Used-reparable, \$49.50 MANUAL for TCS system, partial-repro, \$12.

VHF & UHF RECEIVERS

CEI/WATKINS-JOHNSON VHF and UHF RECEIVERS, compact rackmount VHF

sets cover 30-300 MHz AM-FM-CW in bands 30-90 and 90-300 MHz while UHF sets cover 235-1000 MHz in bands 235-500 and 490-1000 MHz. All have Tuning and Signal Strength meters, RF-VIDEO-AUDIO GAIN controls, and BFO. Nu-vistor/transistor electronics. 3.5x19x17.5, 30# sh. Used-operational, but not to specs: Tech manuals not available at this time!
MODEL 905-VHF, 20 or 300 KHz IF width, \$295.
905A-VHF, later model design, \$325.00
702-UHF, 50 or 300 KHz IF width, \$350.
775-UHF, 100-500 KHz-4 MHz IF, \$375.00

AN/URR-52 PANORAMIC CEI RECEIVER, 30-1000 MHz in bands 30-90, 90-300, 235-500, and 490-1000 MHz; IF bandwidths 20-75-300 KHz plus CRT display. Requires 115/230 VAC 60 Hz; 5x19x17.5, 50 lbs sh. Used, \$595.00

COLLINS PM-2

COLLINS PM-2 POWER SUPPLY, for portable use of KWM-2/A transceivers. Mounts to rear of KWM and provides necessary voltages from 115 VAC 60 Hz input; has Bias Adjust control. Cannot be used with 301L power amp. 6.8x14.5x4.3, 16 lbs sh. Used, \$75.00

RIBBON INDUCTOR

VARIABLE RIBBON INDUCTOR with motor drive p/o T-195 2-20 MHz 100 W transmitter Consists of two 4.6"Lx2.8" dia drums with slug core and 3/16" wide silvered-ribbon which wraps 30 turns into 4" long coil; approx 65 uHy. 26 VDC motor turns drums and transfers ribbon from one to the other. Also 115 VAC 400 Hz servo originally used in T-195 discriminator circuit. 8.3x5.6x6.3; 10 lbs sh. #L1101/T-195, used, \$29.50

R-390A RF DECK

RF AMPLIFIER DECK removed by the military from R-390A receivers. We are selling them "AS-IS" for parts or as possible spare for your working R-390A. Includes front gear assembly, frequency counter dial, set of RF transformers with slugs and slug racks, HR202 crystal oven w/200 KHz & 17 MHz crystals, and tubes 3/6C4, 6DC6, 2/5814, 5654. 9x12x16, 19 lbs sh. #RF-R390A, "AS-IS", \$65.

8 FT BALLOON

NEOPRENE WEATHER BALLOON made for the government by Kaysam; 1000 gram net balloon weight translates to about 8 ft dia inflated size which our picture verifies. 5.5"Lx1.5" dia inflation nozzle, 3.5" dia neck. October 1971 date code; 3 lbs sh. #BAL-75GH, unused, \$16.95; 2/\$30.



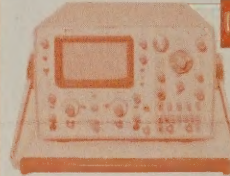
AC-DC CAL STANDARD

RFL 829 AC-DC CALIBRATION STANDARD for DC-AC instruments. Full scale DC volts ranges: 0.25 mv to 2000 V in 13-steps, 2-5-10 sequence. AC volts: 1.5-750 V in 9-steps and 1.5-1500 V in 10-steps, 15-30-75 sequence. AC-DC amps full scale ranges: 0.05-20 amps in 10 steps, 5-10-20 sequence. Accuracy +/-0.5% of full scale on large 6" wide mirror-backed meters. Frequency range 50-1000 Hz. Standard cell and original calibration books not available. Copy of general cal-book and operating info included. Requires 115 VAC 50-400 Hz; 22.8x32.3x16.5, 200 lbs sh. Used-reparable, \$350.



150 MHZ SCOPE

HEWLETT-PACKARD 1710A PORTABLE SCOPE, DC to 150 MHz response with dual channels, large 6x10 CM display, and selectable input impedance 50 ohms or 1 megohm. Modes Channel A or B, A+B, A & B alternating, A & B chop. Deflection: 5 mv-5 V/div in 10 calibrated steps, 1-2-5 sequence plus vernier to 12.5 V. Sweep: 20 ns-0.2 s/div in 22 steps, vernier to 0.5 sec and X10 magnifier. Trigger normal, auto or single. Delay sweep: 20 ns-0.1 s/div in 21 steps, vernier to 0.25 sec; delay time varies 0.02 us-2 sec. Calibrator 1 KHz squarewave, 1 V p-p. Requires 115/230 VAC 50-440 Hz, 38 lbs sh. Used-reparable, \$499. Checked, \$595.00



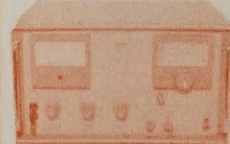
TEKTRONIX 80 MHZ SCOPE

TEKTRONIX 585A OSCILLOSCOPE w/Type 82 DUAL-TRACE plug-in; DC to 85 MHz response, sweep delay two time bases, and 4x10 CM display. Sweep: 50 n-sec to 2 sec/cm in 24 calibrated steps, variable to 5 sec (Time base A); 2 usec to 1 sec/cm in 15 calibrated steps (Base B). Delay continuously variable 2 usec to 10 sec. Risettime always < 4.5 nsec. Amplitude calibrator 0.2 mv to 100 V p-p in 18 steps; X5 magnifier. Requires 115/230 VAC 60 Hz. 17x13.3x24, 78 lbs sh. Used-reparable, \$195. CHECKED 585A mainframe w/reparable 82, \$295. Mainframe only Tek 585A, reparable, \$115.00 " " Tek 585, reparable, \$100.00 MANUAL for 585A, partial repro, \$17.00 " for 82 plug-in, partial repro, \$12.00



FREQUENCY SELECTIVE

SIERRA 125B FREQUENCY SELECTIVE VOLTMETER for carrier communications measurements or useable as VLF receiver, if you make a preamp for it. Frequency range 1-620 KHz in one band. Attenuator -70 to +30 DB in 10 DB steps or 0.0003 to 30 V-rms full scale in 11 steps. Bandwidth 250 or 2500 Hz, line impedance 135 or 600 ohms, and two calibrators. Requires 115/230 VAC 60 Hz; 10.3x17x14.5, 40 lbs sh. Used-reparable with output, \$79.50



SPECTRUM DISPLAY

SIERRA 360B SPECTRUM DISPLAY for use with Sierra 305A or 128A selective voltmeter; has 3x5 P7 long-persistence CRT. Sweep width 120, 12, or 3.6 KHz, 25 DB response. Rate: 3.5 /1 sec Normal/Search @ 120 KHz width; 10/3.5 sec @ 12 or 3.6 KHz. Attenuator 0-20-40 DB calibrated plus +5 to -20 DB vernier. Marker amplitude +5 to -20 DB. Input impedance 50 ohms; IF input 21.1 MHz @ 50 uv. Oscillator input 18.8 MHz. Requires 115/230 V 50-60 Hz; 5.3x19x15, 28 lbs. Used-reparable w/book, \$150. Ruggedized CASE & FRONT COVER f/360B, \$20.00

